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NOTICE OF ALLOWANCE AND FEE(S) DUE

826 7590 03/23/2009

ALSTON & BIRD LLP
BANK OF AMERICA PLAZA
101 SOUTH TRYON STREET, SUITE 4000
CHARLOTTE, NC 28280-4000

EXAMINER

BLACKWELL, JAMES H

ART UNIT

PAPER NUMBER

2176

DATE MAILED: 03/23/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/851,404

05/08/2001

Gregory C. Schohn

042933/274317

1878

TITLE OF INVENTION: REORGANIZING CONTENT OF AN ELECTRONIC DOCUMENT

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	06/23/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

**Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885**

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

826 7590 03/23/2009

**ALSTON & BIRD LLP
BANK OF AMERICA PLAZA
101 SOUTH TRYON STREET, SUITE 4000
CHARLOTTE, NC 28280-4000**

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/851,404 05/08/2001 Gregory C. Schohn 042933/274317 1878

TITLE OF INVENTION: REORGANIZING CONTENT OF AN ELECTRONIC DOCUMENT

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
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nonprovisional NO \$1510 \$300 \$0 \$1810 06/23/2009

EXAMINER	ART UNIT	CLASS-SUBCLASS
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BLACKWELL, JAMES H 2176 707-514000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, 1 _____
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2 _____
- 3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☐ Issue Fee
- ☐ Publication Fee (No small entity discount permitted)
- ☐ Advance Order - # of Copies _____

4b. Payment of Fee(s); (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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EXAMINER

BLACKWELL, JAMES H

ART UNIT

PAPER NUMBER

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DATE MAILED: 03/23/2009

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 566 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 566 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability	Application No.	Applicant(s)	
	09/851,404	SCHOHN ET AL.	
	Examiner	Art Unit	
	James H. Blackwell	2176	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to an RCE filed 02/24/2009.
2. ☒ The allowed claim(s) is/are 1-14,17,19-43 and 45-57.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| <ol style="list-style-type: none"> 1. <input type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | <ol style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance 9. <input type="checkbox"/> Other _____. |
|---|---|

/DOUG HUTTON/
Supervisory Patent Examiner, Art Unit 2176

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 02/24/2009 has been entered.

Allowable Subject Matter

Claims 1-14, 17, 19-43 and 45-57 are allowed.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Nathaniel T. Quirk on 03/13/2009.

The application has been amended as follows:

1. (Currently Amended) A method comprising:

receiving an electronic document represented by serial data that contains content of the document and defines an order in which respective portions of the content are to be presented on a display for viewing,

analyzing the serial data of the electronic document by at least one transformation module to determine an order of presentation of the portions of the content different from the order defined by the serial data, the different order of presentation being adapted based upon a performance capability of a display of a target device, and

generating, via a processor, reorganization information for use in delivering the portions of the content, the reorganization information enabling presentation of the portions in the different order, wherein generating the reorganization information includes ~~applying~~ adding a hyperlink to ~~the portions of content~~ a first sub-document of the portions in the different order, the ~~application~~ adding of the hyperlink being performed in response to determining that a location of the hyperlink is separated by at least a predetermined distance from a destination location to which the hyperlink points, the hyperlink being displayed near the beginning of ~~[[a]]~~ the first sub-document of the portions in the different order, the destination location of the hyperlink being a particular portion of the content that is not at a beginning of the order defined by the serial data, and the destination location being determined based on the content of the serial data and without regard to the ordering of the portions.

36. (Currently Amended) A method comprising:

receiving a request from a remote device for a portion of a document represented by serial data that contains content of the document and defines an order in which respective portions of the content are to be presented on a display for viewing, and in response to the request, analyzing the serial data of the electronic document by at least one transformation module to determine an order of presentation of the portions of the content different from the order defined by the serial data, the different order of presentation being adapted based upon a performance capability of a display of a target device, and

returning at least one and fewer than all of the portions of the content using reorganization information that enables presentation of the portions in the different order, wherein returning at least one and fewer than all of the portions of the content includes ~~applying~~ adding a hyperlink to a first sub-document of the portions in the different order ~~the portions of content~~, the application adding of the hyperlink being performed, via a processor, in response to determining that a location of the hyperlink is separated by at least a predetermined distance from a destination location to which the hyperlink points, the hyperlink being displayed near the beginning of ~~[[a]]~~ the first sub-document of the portions in the different order, the destination location of the hyperlink being a location of a particular portion of the content that is not at a beginning of the order defined by the serial data, and the destination location being determined based on the content of the serial data and without regard to the ordering of the portions.

38. (Currently Amended) A data structure stored on a medium and capable of configuring a machine to respond to requests for portions of a document that is represented by serial data that includes content of the document and defines an order in which respective portions of the content are to be presented, the data structure comprising reorganization information that enables presentation of the portions in an order different from the order defined by the serial data, the reorganization information having been generated based on an analysis of the serial data by at least one transformation module to determine the different order of presentation, wherein the analysis of the serial data also includes ~~applying~~ adding a hyperlink to a first sub-document of the portions in the different order ~~the portions of content~~, the application adding of the hyperlink being performed in response to determining that a location of the hyperlink is separated by at least a predetermined distance from a destination location to which the hyperlink points, the hyperlink being displayed near the beginning of ~~[[a]]~~ the first sub-document of the portions in the different order, the destination location of the hyperlink being a particular portion of the content that is not at a beginning of the order defined by the serial data, and the destination location being determined based on the content of the serial data and without regard to the ordering of the portions, the different order of presentation being adapted based upon a performance capability of a display of a target device.

41. (Currently Amended) An apparatus comprising:

means for receiving an electronic document represented by serial data that contains content of the document and defines an order in which respective portions of the content are to be presented on a display for viewing,

means for analyzing the serial data of the electronic document, said means for analyzing comprising at least one transformation module to determine an order of presentation of the portions of the content different from the order defined by the serial data, the different order of presentation being adapted based upon a performance capability of a display of a target device, and

means for generating reorganization information for use in delivering the portions of the content, the reorganization information enabling presentation of the portions in the different order, wherein generating the reorganization information includes ~~applying~~ adding a hyperlink to a first sub-document of the portions in the different order ~~the portions of content~~, the ~~application~~ adding of the hyperlink being performed in response to determining that a location of the hyperlink is separated by at least a predetermined distance from a destination location to which the hyperlink points, the hyperlink being displayed near the beginning of ~~[[a]]~~ the first sub-document of the portions in the different order, the destination location of the hyperlink being a location to a particular portion of the content that is not at a beginning of the order defined by the serial data, and the destination location being determined based on the content of the serial data and without regard to the ordering of the portions.

42. (Currently Amended) An apparatus comprising a machine configured to receive an electronic document represented by serial data that contains content of the document and defines an order in which respective portions of the content are to be presented on a display for viewing,

analyze the serial data of the electronic document to determine an order of presentation of the portions of the content different from the order defined by the serial data, and

generate reorganization information for use in delivering the portions of the content, the reorganization information enabling presentation of the portions in the different order, wherein being configured to generate reorganization information includes being configured to ~~apply~~ add a hyperlink to a first sub-document of the portions in the different order ~~the portions of content~~, the application adding of the hyperlink being performed in response to determining that a location of the hyperlink is separated by at least a predetermined distance from a destination location to which the hyperlink points, the hyperlink being displayed near the beginning of ~~[[a]]~~ the first sub-document of the portions in the different order, the destination location of the hyperlink being a particular portion of the content that is not at a beginning of the order defined by the serial data, and the destination location being determined based on the content of the serial data and without regard to the ordering of the portions, the different order of presentation being adapted based upon a performance capability of a display of a target device.

53. (Currently Amended) An apparatus comprising:

a display configured to present portions of content of an electronic document in an order different from an order defined by serial data representing the electronic document, the electronic document having been processed according to a method comprising:

receiving an electronic document represented by serial data that contains content of the document and defines an order in which respective portions of the content are to be presented on a display for viewing,

analyzing the serial data of the electronic document by at least one transformation module to determine an order of presentation of the portions of the content different from the order defined by the serial data, the different order of presentation being adapted based upon a performance capability of a display of a target device, and

generating reorganization information enabling presentation of the portions in the different order, wherein generating the reorganization information includes ~~applying~~ adding a hyperlink to a first sub-document of the portions in the different order ~~the portions of content~~, the ~~application~~ adding of the hyperlink being performed in response to determining that a location of the hyperlink is separated by at least a predetermined distance from a destination location to which the hyperlink points, the hyperlink being displayed near the beginning of ~~[[a]]~~ the first sub-document of the portions in the different order, the destination location of the hyperlink being a particular portion of the content that is not at a beginning of the order defined by the serial data, and the

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destination location being determined based on the content of the serial data and without regard to the ordering of the portions.

56. (Currently Amended) A computer program product comprising at least one computer-readable storage medium having computer-readable program code portions stored therein, the computer-readable program code portions comprising:

a first executable portion for receiving an electronic document represented by serial data that contains content of the document and defines an order in which respective portions of the content are to be presented on a display for viewing,

a second executable portion for analyzing the serial data of the electronic document by at least one transformation module to determine an order of presentation of the portions of the content different from the order defined by the serial data, the different order of presentation being adapted based upon a performance capability of a display of a target device, and

a third executable portion for generating reorganization information for use in delivering the portions of the content, the reorganization information enabling presentation of the portions in the different order, wherein generating the reorganization information includes ~~applying~~ adding a hyperlink to a first sub-document of the portions in the different order ~~the portions of content~~, the ~~application~~ adding of the hyperlink being performed in response to determining that a location of the hyperlink is separated by at least a predetermined distance from a destination location to which the hyperlink points, the hyperlink being displayed near the beginning of ~~[[a]]~~ the first sub-document

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of the portions in the different order, the destination location of the hyperlink being a particular portion of the content that is not at a beginning of the order defined by the serial data, and the destination location being determined based on the content of the serial data and without regard to the ordering of the portions.

Allowable Subject Matter

Claims 1-14, 17, 19-43 and 45-57 are allowed.

The following is an examiner's statement of reasons for allowance:

As indicated by the Applicant in arguments filed 02/24/2009, the prior art of record fails to disclose the combination of limitations recited in the independent claims.

In particular, the prior art fails to disclose:

“applying a hyperlink to the portions of content, the application of the hyperlink being performed in response to determining that a location of the hyperlink is separated by at least a predetermined distance from a destination location to which the hyperlink points.”

The determination of whether or not to add a navigational, or “jump to” hyperlink at or near the top of a first page that links to content positioned elsewhere in the web page based on a distance calculation (see Specification, page 3, lines 15-17 and pages 20-21). One example of why you would want to do this is to avoid having a “jump to” link that “jumps to” a location that is currently visible on the page.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to James H. Blackwell whose telephone number is (571)272-4089. The examiner can normally be reached on 8-4:30 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Doug Hutton can be reached on 571-272-4137. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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/James H. Blackwell/
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/DOUG HUTTON/
Supervisory Patent Examiner, Art Unit 2176